WatchGuard

EDGE Wireless De-manufacturing Instructions

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Document Number: 480-2521-001

1.0 Purpose

This instruction defines the de-manufacturing process for the recovery of this product family as it pertains to recycling of the major product components.
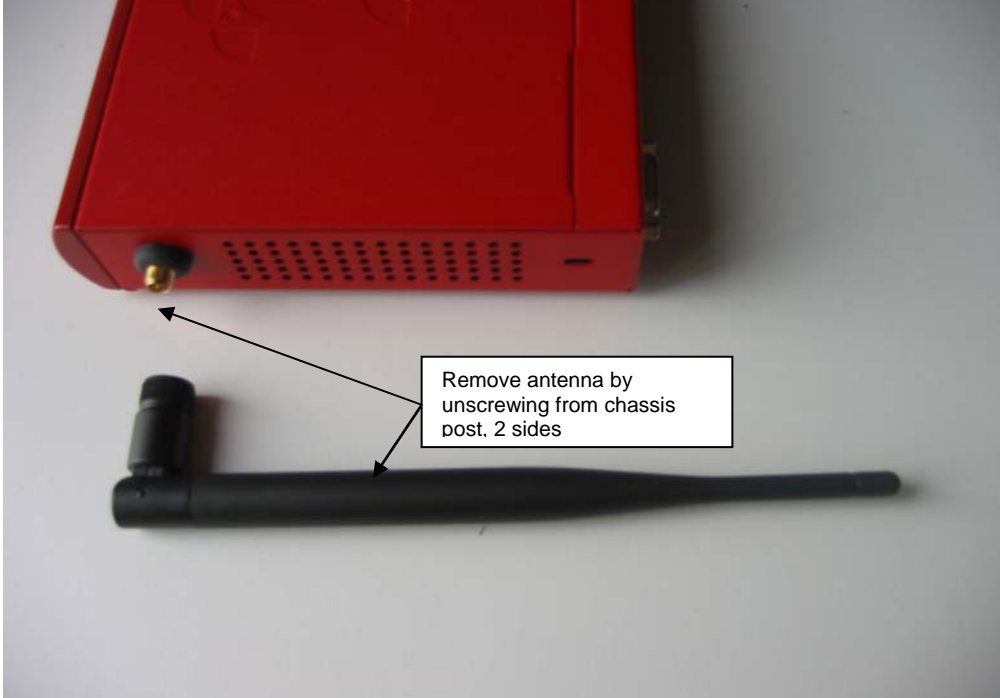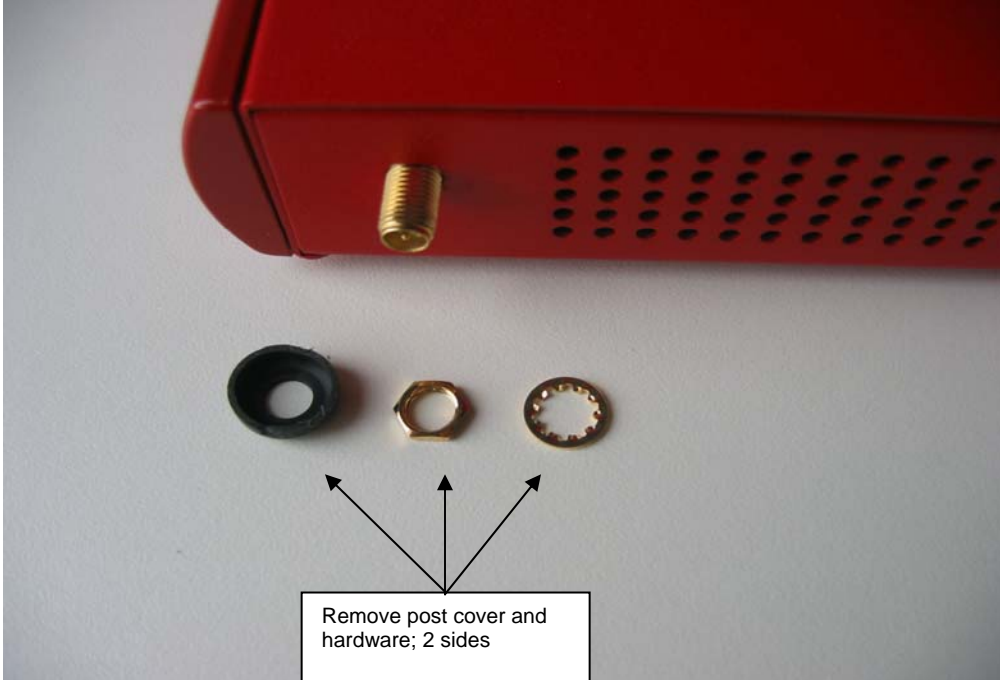
2.0 Scope

This instruction applies to the following product family and family part numbers.

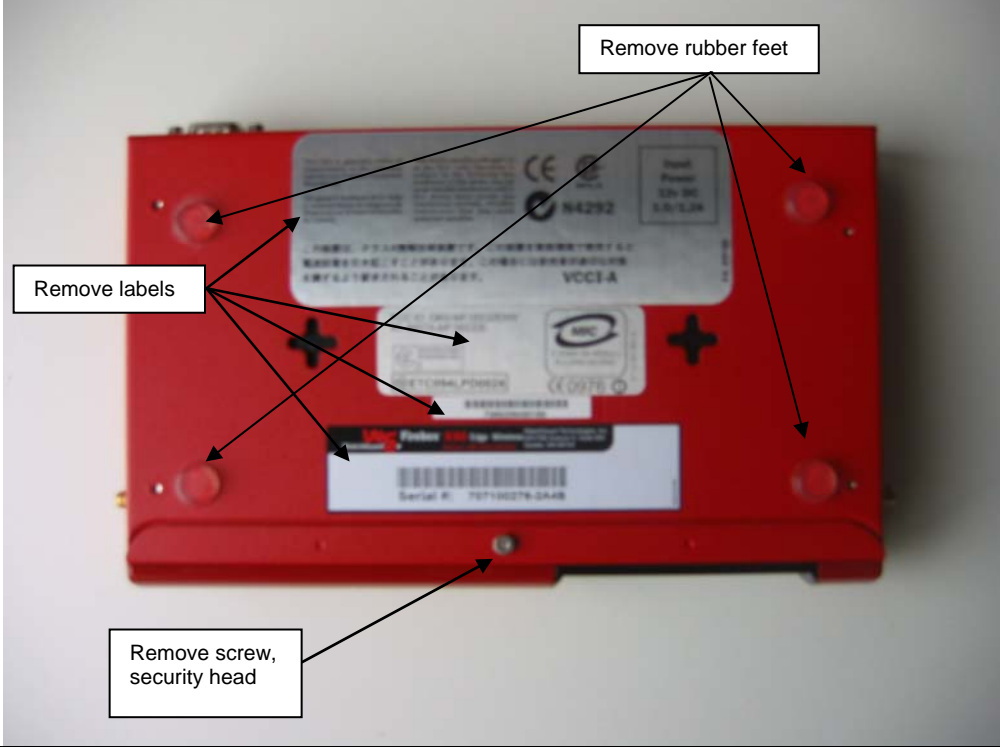| Product Family Name	Family part #'s (not necessarily inclusive)
Firebox X Edge Wireless	- Firebox X5W; all revisions - Firebox X15W; all revisions - Firebox X50W; all revisions

3.0 Instruction
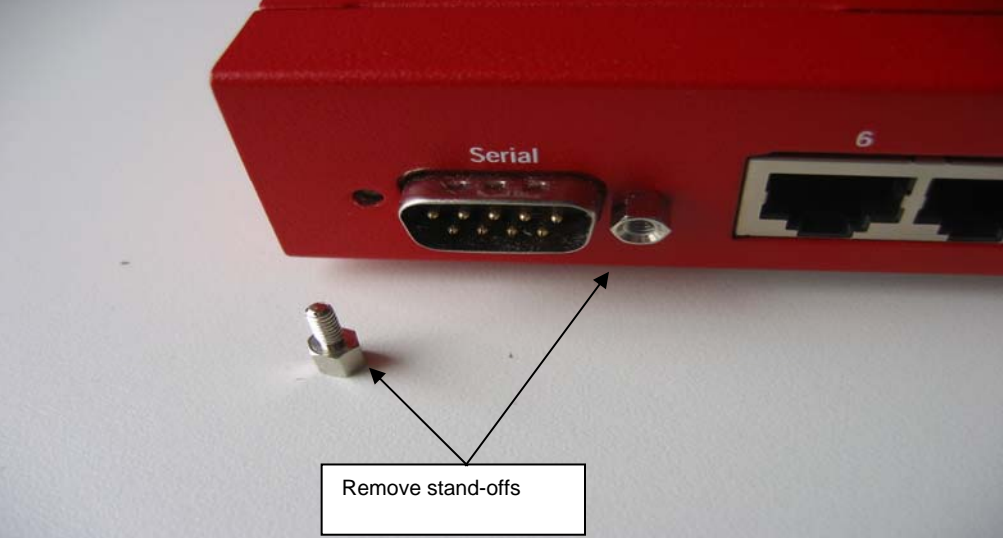
3.1 -Remove wireless antenna and antenna hardware

Material removed (P/N & material type)	Instruction visual
Antenna 1305-002 - TPE, PC, reverse SMA connector, RG-178 coaxial cable; 2.4Ghz; 2 ea.	Remove antenna by unscrewing from chassis post, 2 sides

Post cover
  1366-001- Rubber - Santoprene 10155A
 	
Washer
  No p/n - Gold plated brass
 	
Nut
  No p/n - Gold plated brass
	Remove post cover and hardware; 2 sides

3.2 -Remove labels, rubber feet and screw, and separate top from bottom
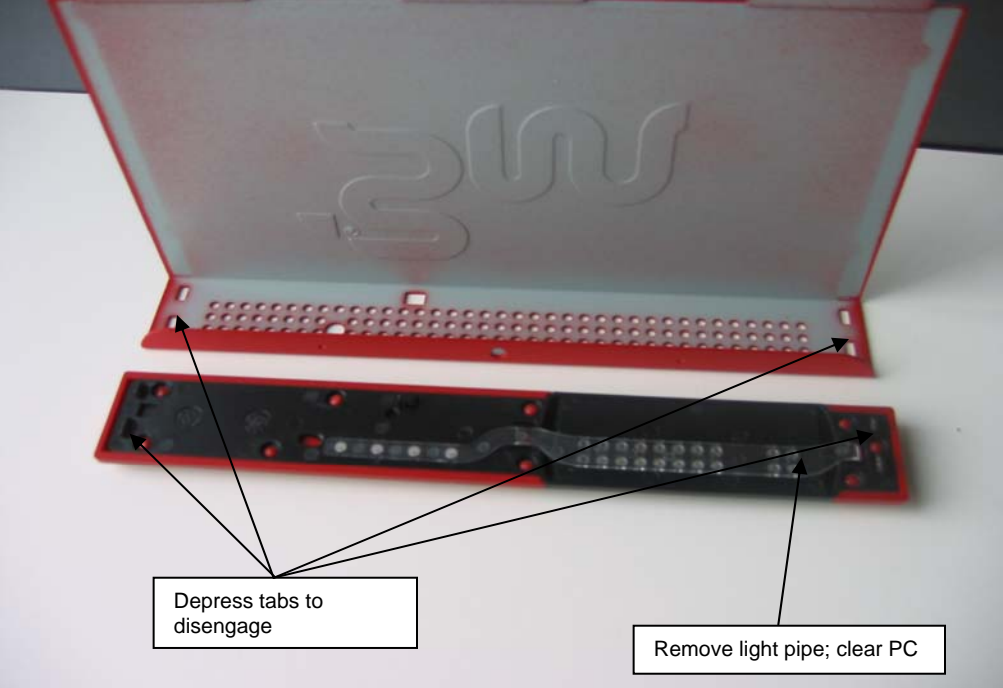
Material removed (P/N & material type)	Instruction visual

Labels
  Cert. label:
    1791-0xx – Metalized poly-film
  Serial number:
    1789-00x – Poly-film
  Transmit Cert/FCC/CE:
    2111-00x – Metalized Poly-film
  Made in Taiwan (if appl):
    1794-00x - Metalized poly-film
  CM identifier:
    No p/n – Poly-film
 	
Rubber Feet
  1422-002 - Polyurethane
 	
Remove screw
  2130-002 - Torx pin-head security screw; stainless steel
	Remove rubber feet
	
	Remove labels
	
	Remove screw, security head

	Separate top from bottom

3.3 – Remove serial connector standoffs
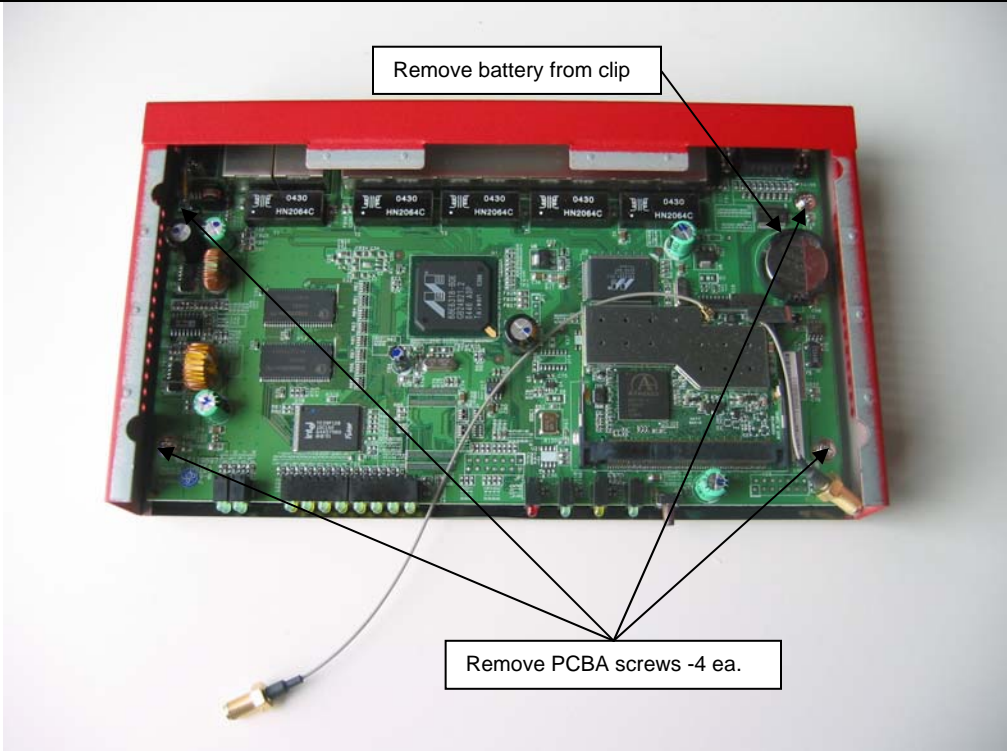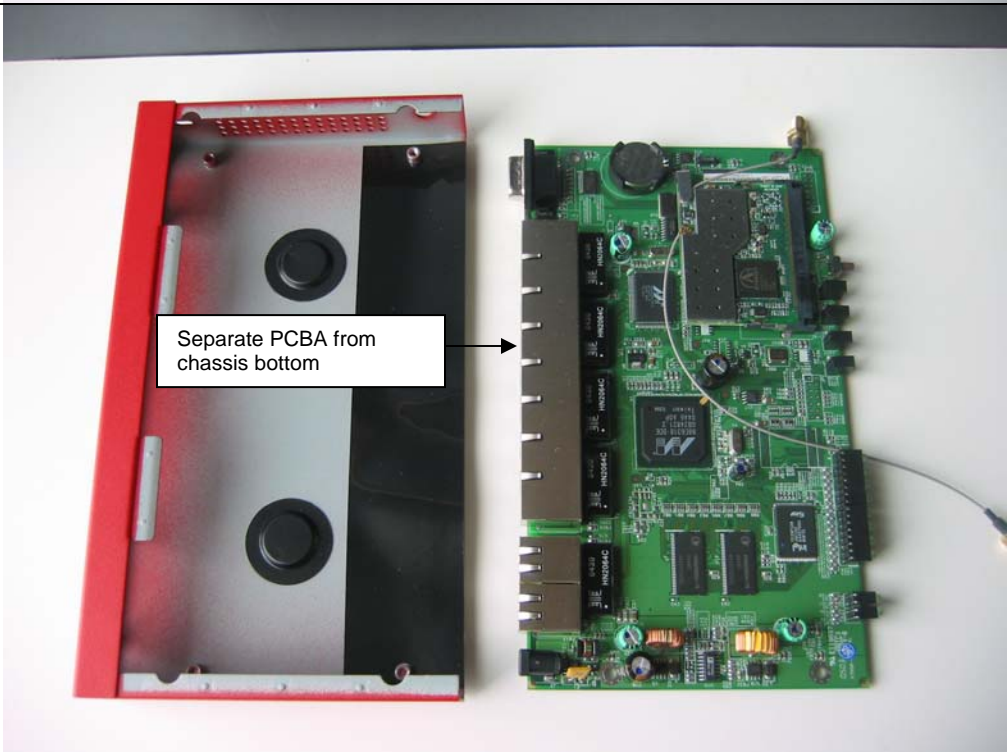
Material removed (P/N & material type)	Instruction visual
Stand-offs No p/n – Hex-head; stainless steel	Remove stand-offs

3.4 – Remove bezel from unit top - depress tabs to disengage; remove light pipe from bezel

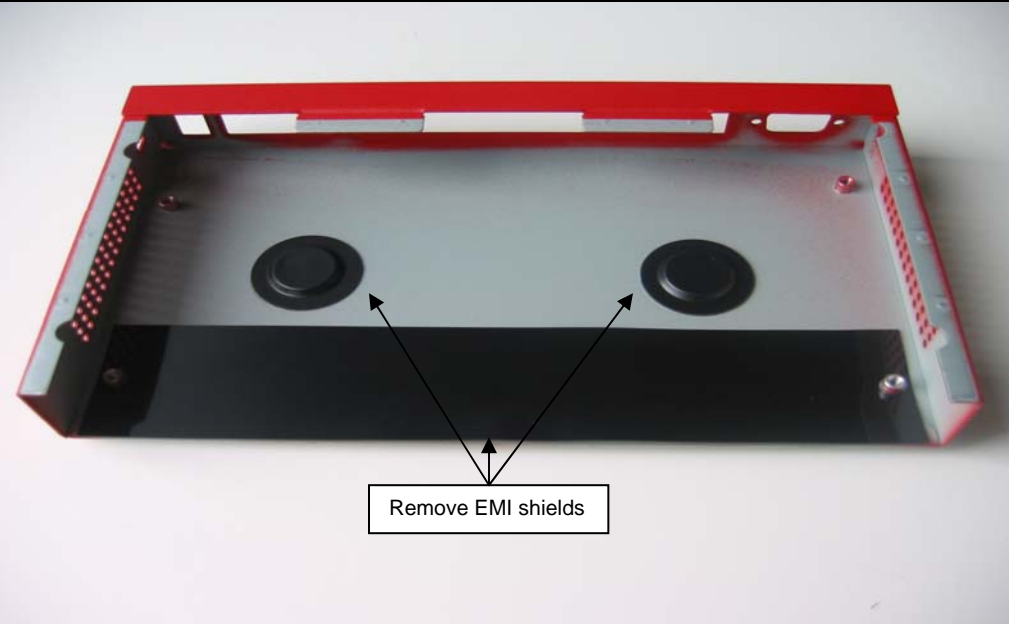| Material removed (P/N & material type)	Instruction visual

Painted metal enclosure
  1768-001 - 22Ga. EG w/powder coat (Interpon 700 -epoxy/polyester)
 	
Light-pipe
  1587-001 - PC
 	
Bezel
  1590-001 - PC/ABS
	Depress tabs to disengage
	Remove light pipe; clear PC

3.5 –Remove battery; remove screws and separate main PCBA from chassis bottom
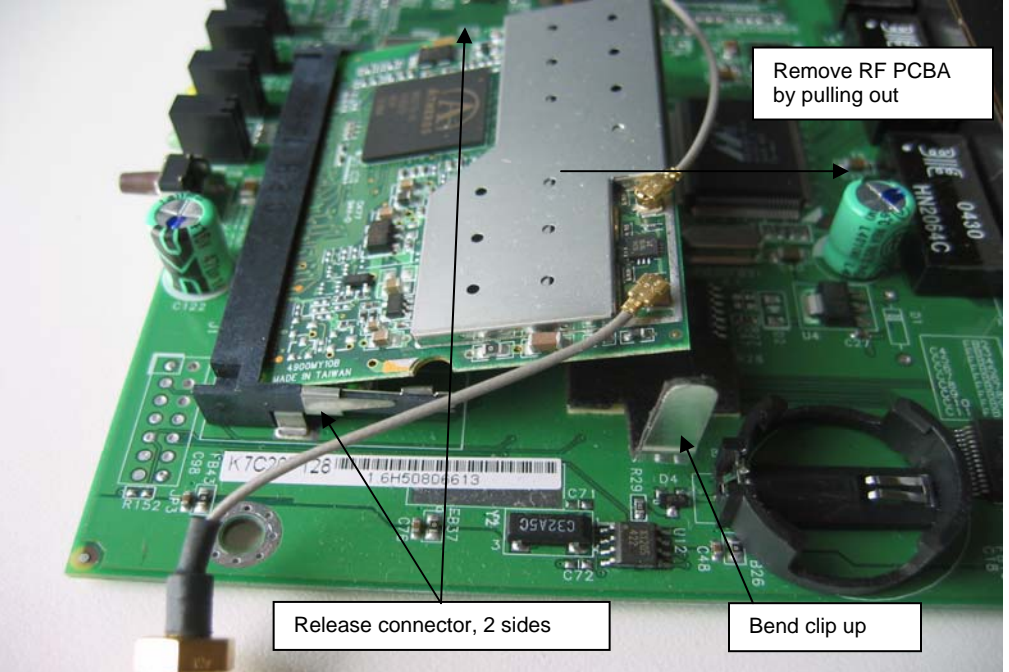
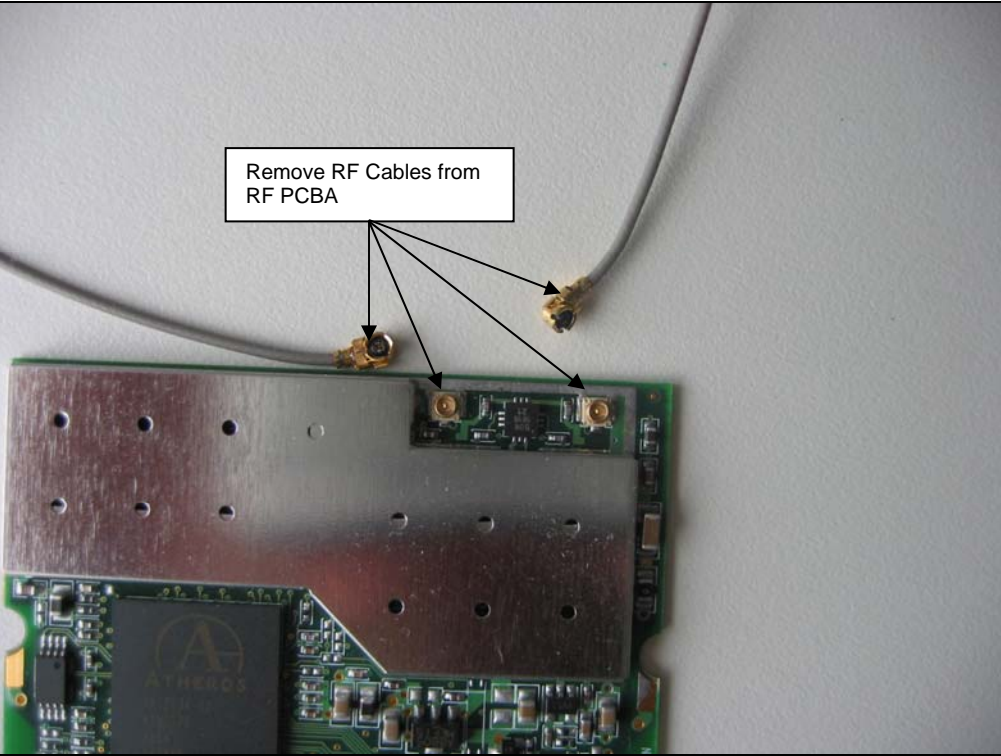| Material removed (P/N & material type)	Instruction visual

Battery –coin cell
  0301-001– Manganese oxide / Lithium CR2032
 	
Remove screws
  0863-002 - Phillips head, stainless steel, 4 ea.
	Remove battery from clip
	
	Remove PCBA screws -4 ea.

	Separate PCBA from chassis bottom

3.6 –Remove insulator shields from bottom chassis

Material removed (P/N & material type)	Instruction visual

Painted metal enclosure; chassis bottom
   1769-001 - 22Ga. EG w/powder coat (Interpon 700 -epoxy/polyester)
 	
Insulator shields
   1780-001 - Insulator, 31.3mm round, Mylar, 2 ea.
   1767-001 - Insulator, 42x221mm, Mylar, 1 ea.
	
	Remove EMI shields

3.7 –Bend RF PCBA clip (up) and remove RF PCBA from main PCBA

Material removed (P/N & material type)	Instruction visual
Main PCBA 1724-001 - Printed circuit assembly	 Remove RF PCBA by pulling out Release connector, 2 sides Bend clip up

3.8 –Disconnect RF cables from RF PCBA

Material removed (P/N & material type)	Instruction visual

RF PCBA
  1771-001 - RF PCBA
 	
RF Cable
  1772-001 - Coaxial cable assembly. 6cm
 	
RF Cable
  1772-002 - Coaxial cable assembly. 19.5cm
	
	Remove RF Cables from RF PCBA

4.0   Applicable Documents

5.0   Revision History

REV. NO.	REV. DATE	REVISED SECTION	REASON	ECO#
A	10/10/2005	n/a	Initial Release	0712